

**F A X C O V E R**

Date Monday, June 02, 2003 **Number of pages** (including cover): 11

To Examiner Quang Nguyen
Company United States Patent and Trademark Office
Tel (703) 308-8339
Fax **(703) 746-5312**
From Alan W. Steele
Direct dial **(617) 573-7857**
Our File # C01039.70044.US

ORIGINAL DOCUMENTS SENT: 1st Class Mail Overnight Mail Air Mail Not Sent

MESSAGE:

Dear Examiner Nguyen:

Attached please find the pages we inadvertently omitted in our response to the Notice to Comply with Requirements for application serial number 09/672,126. These documents will complete the response we sent to you on May 29, 2003. Please do not hesitate to contact us if you have any questions.

Sincerely,
Alan W. Steele

This transmission contains confidential information intended for use only by the above-named recipient. Reading, discussing, distributing, or copying this message by anyone other than the named recipient, or his or her employees or agents, is strictly prohibited. If you have received this fax in error, please notify us immediately by telephone (collect), and return the original message to us at the address below via the U.S. Postal Service.

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Wolf Greenfield Fax Number: 617.720.2441

Wolf, Greenfield & Sacks, P.C. | 600 Atlantic Avenue | Boston, Massachusetts 02210-2206
 617.720.3500 | fax 617.720.2441 | www.wolfgreenfield.com

PATENTS TRADEMARKS COPYRIGHTS TECHNOLOGY TRANSFERS LITIGATION



Box 58
1632

Attorney's Docket No. C01039.70044.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Hartmann et al.
Serial No. : 09/672,126
Conf. No. : 6887
Filing Date : September 27, 2000
For : METHODS RELATED TO IMMUNOSTIMULATORY NUCLEIC ACID-INDUCED INTERFERON
Examiner : Q. Nguyen
Art Group : 1632

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Sequence, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 29th day of May, 2003.


Yvonne Lingo

RECEIVED

Mail Stop Sequence
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

JUN 04 2003

TECH CENTER 1600/2900

Sir:

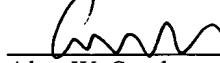
Transmitted herewith are the following document(s):

- Substitute paper copy of the Sequence Listing
- Substitute computer readable form (CRF) copy of the Sequence Listing
- Statement pursuant to 37 C.F.R. §§ 1.825(a) and 1.825(b)
- Copy of Notice to Comply with Requirements, with attachments
- Request for entry of enclosed substitute paper copy and CRF of Sequence Listing
- Return receipt postcard

If the enclosed papers are considered incomplete, the Examiner, Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

No check is enclosed. If a fee is deemed to be necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,


Alan W. Steele
Reg. No. 45,128
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210
Tel. (617) 720-3500

Attorney Docket No. C01039.70044.US
Date: May 29, 2003
XD 06/28/03

711264.1



Attorney's Docket No. C01039.70044.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Hartmann et al.
Serial No. : 09/672,126
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16/C
7/16/03
6/5/03

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Yvonne Lingo

RECEIVED

Mail Stop Sequence
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

JUN 04 2003

TECH CENTER 1600/2900

REQUEST FOR ENTRY OF SUBSTITUTE SEQUENCE LISTING

Sir:

In response to the Office Communication mailed May 20, 2003, concerning the above-captioned application, Applicants request entry of the enclosed substitute paper copy and computer readable form (CRF) of the Sequence Listing in replacement of the substitute Sequence Listing mailed February 11, 2003, in response to the Office Action mailed August 28, 2002. The enclosed substitute Sequence Listing is believed to comply with the requirements of 37 C.F.R. §§ 1.821-1.825 and is filed within the six month statutory period.

Respectfully submitted,



Alan W. Steele
Reg. No. 45,128
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210
Tel. (617) 720-3500

Attorney Docket No. C01039.70044.US
Date: May 29, 2003
XD 06/28/03

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set by the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29820 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: See attached PTO-90C

Applicant Must Provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

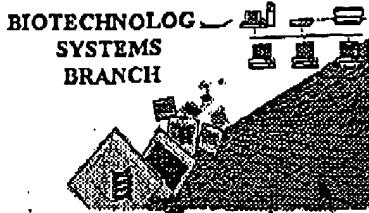
For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY



Re-run
3. Nov 03

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/672,126A
 Source: 1600
 Date Processed by STIC: 2/20/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual- ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 09/622,126A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
Wrapped Amino
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering
The numbering under each 3rd amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
168-169
- 5 Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>..<223> section that some may be missing.
- 6 PatentIn 2.0
"bug"
A "bug" in PatentIn version 2.0 has caused the <220>..<223> section to be missing from amino acid sequence(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>..<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>..<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X; (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(ii) SEQUENCE DESCRIPTION:SEQ ID NO:X; (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>..<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>..<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11 Use of <220>
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/672,126A

DATE: 02/20/2003
TIME: 16:01:24

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\02202003\I672126A.raw

```

4 <110> APPLICANT: Hartmann, Gunther
5 Brätzler, Robert L.
6 Krieg, Arthur
9 <120> TITLE OF INVENTION: Methods Related to Immunostimulatory
10 Nucleic Acid-Induced Interferon
13 <130> FILE REFERENCE: C1039/7044
15 <140> CURRENT APPLICATION NUMBER: 09/672,126A
17 <141> CURRENT FILING DATE: 2000-09-27
19 <150> PRIOR APPLICATION NUMBER: 60/156,147
20 <151> PRIOR FILING DATE: 1999-09-29
E--> 22 <160> NUMBER OF SEQ ID NOS:(165)169 (see p.2)
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0

```

pp 1-2-3

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

```

1109 <210> SEQ ID NO: 52
1110 <211> LENGTH: 20 shown
1111 <213> ORGANISM: Artificial Sequence
1113 <220> FEATURE:
1114 <223> OTHER INFORMATION: Synthetic Oligonucleotide
1116 <400> SEQUENCE: 52
1117 ATGGAAGGTCCAGCGTTCTC

```

→ <2127 DNA

*Insert this
mandatory
numeric identifier
and response*

20 → *insert
cumulative
base total at
right margin
of each line*

*Insert a space after each
group of 10 nucleotides*

*all
nucleotides MUST be in lower-case letters, when sequence
listing is
in new
Sequence Reader
format*

Jun 2 2006 15:00 P.06

U10101201

<210> 169 last sequence in submitted file

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is 0-20 of any nucleotide

variable length is not permitted

(see item 5 on Error

Summary Sheet)

<220>

<221> misc_feature

<222> (8)..(8)

<223> n is 0-20 of any nucleotide

<400> 169

gggnngggnggg g

11

Jun 2 2003 15:01 P.07

<210> 33
<211> 20
<212> DNA
<213> Artificial Sequence
delete

fig 1
A sequence identifier has been detected in the Sequence Listing.
Please refer to the Sequence Listing to insure a corresponding
Sequence Identifier is placed in the <220> to <223> fields of
each sequence using N or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/672,126A

DATE: 02/20/2003
TIME: 16:01:26

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\02202003\I672126A.raw

L:34 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:38 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:50 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:61 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:76 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:80 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:91 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:121 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:140 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:144 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:148 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:152 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:164 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:168 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:179 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:191 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:195 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:206 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:210 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:218 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:223 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:234 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:242 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:246 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:250 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:261 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:265 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:269 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:273 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:277 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:288 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:297 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:301 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:305 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:317 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/672,126A

DATE: 02/20/2003
TIME: 16:01:26

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\02202003\I672126A.raw

```

L:321 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:325 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:329 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:333 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:344 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:348 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:352 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:360 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:371 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:375 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:383 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:387 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:398 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:402 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:406 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:410 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:414 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:426 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:453 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:480 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:507 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:534 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:561 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:588 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:615 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:643 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:670 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:697 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:720 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:747 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:774 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:801 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:823 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:828 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:855 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:882 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:909 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:936 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1116 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:1316 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1637 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2172 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2187 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2222 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2249 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2276 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2303 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/672,126A

DATE: 02/20/2003

TIME: 16:01:26

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\02202003\r672126A.raw

L:2319 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2334 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2349 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2376 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0
L:2638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:0
L:2659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:22 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (165) Counted (169)

Jun 2 2003 15:02 P.11

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/672,126A DATE: 02/20/2003
TIME: 16:01:26

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\02202003\I672126A.raw

L:2319 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2334 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2349 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2376 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0
L:2638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:2659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:22 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (165) Counted (169)